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# ANNUAL REPORT

OF THE

Medical Officer of Health

OF THE

GRIMSBY

RURAL DISTRICT COUNCIL

FOR THE YEAR 1946

BY

**C. F. LYNCH,**

M.B., B.Ch., B.A.O., D.P.H.,

MEDICAL OFFICER OF HEALTH.

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Grimsby :

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# Grimsby Rural District Council.

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Offices :—DEANSGATE, GRIMSBY.

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Port Sanitary Office :—IMMINGHAM DOCKS.

Tel :—Immingham 218 and 206.

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CHAIRMAN OF COUNCIL :—  
GEORGE TICKLER, Esq., J.P.

---

CHAIRMAN OF HEALTH COMMITTEE :—

H. WRIGHT, Esq.

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CLERK TO THE COUNCIL :—

P. E. HOPPS, Esq.

---

MEDICAL OFFICER OF HEALTH :—

DR. C. F. LYNCH.

---

ASSISTANT PORT MEDICAL OFFICER :—

DR. S. BEDFORD.

---

SANITARY INSPECTOR :—

MR. C. KING, C.R.S.I.

---

PORT SANITARY INSPECTOR FOR THE PORT OF IMMINGHAM :—

Mr. W. A. CUNDY, C.R.S.I.



# Grimsby Rural District Council.

## REPORT OF THE MEDICAL OFFICER OF HEALTH.

TO THE CHAIRMAN AND MEMBERS OF THE  
GRIMSBY RURAL DISTRICT COUNCIL.

LADIES AND GENTLEMEN.,

I have the honour to present my Annual Report on the Health and Sanitary Conditions of the Grimsby Rural District for the year 1946.

The birth rate was 21.3 per thousand of the population, and shows an increase of 1.3 on the rate for 1945. The rate for England and Wales was 19.1.

The death rate per thousand of the population was 12.8 which is an increase of 1.5 on the figure for the previous year. The corresponding rate for England and Wales was 11.5. Heart disease was again the principal cause of death in the Rural District and deaths from Cancer showed an increase during the year.

The infant mortality rate was 24.3 per thousand live births, being 3.2 higher than in 1945, but considerably lower than the rate for England and Wales which was 43. There was one maternal death during the year.

The incidence of infectious disease was low. There was however an increase in the number of new cases of tuberculosis.

A total of 15 permanent houses was completed by the Council and other bodies during the year. In addition, 30 prefabricated dwellings were erected by the Council. Overcrowding in the district was further relieved by the use of a number of R.A.F. huts, found suitable for adaptation by the Council in conjunction with the Air Ministry and Ministry of Health.

I have to thank the Chairman and Members of the Council and the Clerk for their support during the year and my Sanitary Inspectors for their assistance in compiling this Report.

I have the honour to be,

Ladies and Gentlemen,

Your obedient Servant,

C. F. LYNCH,

*Medical Officer of Health.*

**SECTION 'A.' Vital Statistics.**

	Male.	Female.	Total.	Birth Rate per 1,000 of estimated resident population 21.3
Live Births—Legitimate	119	111	230	
Illegitimate	9	7	16	Rate per 1,000 Live and Still Births 27.6
Still Births—Legitimate	3	3	6	
Illegitimate	—	1	1	
Deaths	85	63	148	

Death Rate per 1,000 of the estimated resident Population .. 12.8

**Deaths from Puerperal causes (Headings 29 and 30 of The Registrar General's Short List).**

	Deaths.	Rate per 1,000 Total Live and Still Births.
No. 29 Puerperal Sepsis	—	—
No. 30 Other Maternal Causes	1	3.9

**INFANT MORTALITY. Deaths of Infants under 1 year—**

	Male.	Female.	Total.
Legitimate	3	2	5
Illegitimate	1	—	1
All Infants per 1,000 Live Births	—	—	24.3
Legitimate Infants per 1,000 Legitimate Live Births	—	—	21.7
Illegitimate Infants per 1,000 Illegitimate Live Births	—	—	62.5
Deaths from Whooping Cough (all ages)	—	—	—
Deaths from Measles (all ages)	—	—	—
Deaths from Diarrhoea (under 2 years of age)	—	—	1
Deaths from Cancer (all ages)	—	—	23

**NOTIFIABLE DISEASES. Notifications, 1946.**

Smallpox	—	—	—	—
Scarlet Fever	—	—	—	5
Diphtheria	—	—	—	3
Enteric Fever	—	—	—	—
Puerperal Pyrexia	—	—	—	—
Frysipelas	—	—	—	1
Pneumonia	—	—	—	2
Ophthalmia Neonatorum	—	—	—	1
Chicken Pox	—	—	—	10
Whooping Cough	—	—	—	4
Measles	—	—	—	2
Cerebro-Spinal Meningitis	—	—	—	3
Dysentery	—	—	—	1
Ant. Poliomyelitis (Infantile Paralysis)	—	—	—	1

**CAUSES OF DEATH IN THE GRIMSBY RURAL DISTRICT.  
1946.**

		Male.	Female.	Total.
Typhoid and Paratyphoid Fevers	...	—	—	—
Cerebro Spinal Fever	...	—	—	—
Scarlet Fever	...	—	—	—
Whooping Cough	...	—	—	—
Diphtheria	...	—	—	—
Tuberculosis of Respiratory system	...	3	2	5
Other forms of Tuberculosis	...	1	1	2
Syphilitic Diseases	...	—	—	—
Influenza	...	1	1	2
Measles	...	—	—	—
Acute Poliomyelitis and Polio encephalitis	—	—	—	—
Acute Infectious—Encephalitis	...	—	—	—
Cancer—Malignant Disease	...	14	9	23
Diabetes	...	2	1	3
Cerebral Haemorrhage	...	4	4	8
Heart Disease	...	25	18	43
Other Disease of Circulatory System	...	11	8	19
Bronchitis	...	3	2	5
Pneumonia	...	2	4	6
Other Respiratory Diseases	...	1	1	2
Ulcer of Stomach or Duodenum	...	2	—	2
Diarrhoea (under 2 years)	...	1	—	1
Appendicitis	...	—	1	1
Other Digestive Diseases	...	3	—	3
Nephritis	...	2	—	2
Puerperal and Post-Abortion Sepsis	...	—	—	—
Other Maternal Causes	...	—	1	1
Congenital Debility, Premature Births, Malformations, etc.	...	2	2	4
Suicide	...	—	—	—
Road Traffic Accidents	...	1	2	3
Other Violence	...	1	—	1
All other causes	...	6	6	12
Totals	...	85	63	148

**TUBERCULOSIS.** Notifications and Deaths during 1946.  
**New Cases.**

Pulmonary.	Non-Pulmonary.	Pulmonary.	Non-Pulmonary.
Male.	Female.	Male.	Female.
8	7	2	4
21	7		

**Deaths.**

**SECTION "B."**

(d) The Lindsey County Council, from the Clinic, St. Hugh's Avenue, Cleethorpes, provide the following Specialist and Consultant Services:

Clinic.	Day.	Hour.
Tuberculosis	... Friday	... 2-0 p.m.
School	... Wednesday	... 9-30 a.m.
School Nurse attends for Treatments	Monday, Wednesday and Thursday	9-30 a.m.
Eye	... Friday (by appointment)	2-0 p.m.
Infant Welfare	... Monday and Thursday	2-0 p.m.
Toddler's Clinic	... Monday	9-30 a.m.
Ante Natal	... Tuesday	9-30 a.m.
Special Treatment (Female)	Thursday	10-30 a.m.
Orthopaedic	... 3rd Tuesday (by appointment)	2-30 p.m.
Massage	... Monday and Thursday	10-0 a.m.
U.V.R.	... Monday and Thursday	9-30 a.m.
Dental	... Daily	9-30 a.m.
Rheumatism and Heart	... monthly by appointment	2-0 p.m.

Diphtheria Immunization Sessions held at Schools and Infant Welfare and Toddlers Clinics on the appropriate days.

Additional Clinics are held at the following places:—

**Immingham—Parish Mission, Pelham Road.**

School and Infant Welfare    2nd and 4th Mondays in the month ...    2-0 p.m.

**Laceby, Wesleyan Sunday School.**

Infant Welfare    ...    3rd Wednesday in the month ...    2-30 p.m.

**Waltham—Church Hall, New Waltham.**

Infant Welfare    ...    2nd Wednesday in the month ...    2-0 p.m.

By arrangement with the County Borough of Grimsby facilities for the diagnosis and treatment of Venereal Disease are available at the V.D. Clinic, 38, Queen Street, Grimsby.

**SECTION "C."****SANITARY CIRCUMSTANCES IN THE AREA.****WATER SUPPLY.**

This is (1) by constant supply from the Grimsby, Cleethorpes and District Water Board's joint undertaking and is satisfactory in quality and quantity. Samples are taken monthly by the Water Board and the results supplied to the Medical Officer of Health. (2) from deep bore wells in other cases not on the public supply.

In several of these cases contamination has rendered the water permanently unfit for drinking and extension of the piped supply to a number of villages is urgently required.

Wells	...	New Sunk	...	...	...	...	1
		Cleansed, repaired	...	...	...	...	9
		Closed as polluted	...	...	...	...	3
<b>Public Supply</b>		Area supplied—Great Coates, Healing, Immingham, Laceby, Irby, Bradley, Briggsley and Waltham	...	...	...	...	
		Percentage of houses supplied	...	...	...	85%	
		New Cisterns provided	...	...	...	7	
		Cisterns cleansed, repaired, covered, etc.	...	...	...	21	
Number of Samples obtained for analysis—							
	(a) From Wells	...	...	...	...	28	
	(b) From Public supply	...	...	...	...	6	

**DRAINS.**

Drains, examined, tested, exposed, etc.	...	...	...	36
„ unstopped, repaired, trapped, etc.	...	...	...	49
Waste pipes, rain water pipes, disconnected, repaired, etc.	...	...	...	3
New soil pipes or ventilating shafts fixed	...	...	...	2
Existing soil pipes or ventilating shafts repaired	...	...	...	2
Drains reconstructed	...	...	...	9

**OFFENSIVE TRADES.**

Number of premises in district	...	...	...	12
Number of inspections	...	...	...	69
Contravention of bye-laws	...	...	...	7
Contraventions remedied	...	...	...	7

Offensive Trade bye-laws are in force.

**SECTION "D."****REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE  
OF FORMAL NOTICES.**

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authorities or their Officers, 240.

Number of houses taken over by Local Authority and rendered fit for habitation ... ... ... ... Nil

**HOUSING ACT, 1936—PART IV.—OVERCROWDING.**

(a) (1) Number of dwellinghouses overcrowded at the end of year	...	...	...	...	...	12
(2) Number of families dwelling therein	...	...	...	...	...	
(3) Number of persons dwelling therein	...	...	...	...	...	
(b) Number of new cases of overcrowding reported during the year	...	...	...	...	...	32
(c) (1) Number of cases of overcrowding relieved during the year	...	...	...	...	...	22
(2) Number of persons concerned in such cases	...	...	...	...	...	95
(d) Number of houses again overcrowded after being previously relieved	...	...	...	...	...	Nil

**TOTAL NUMBER OF NEW HOUSES ERECTED DURING THE YEAR.**

(1) By the local Authority	...	...	...	...	...	6
(2) By other Authorities	...	...	...	...	...	Nil
(3) By other bodies or persons	...	...	...	...	...	8

**NUISANCES.**

Total number of nuisances during the year	...	...	...	...	240
(1) Abated as result of informal action by Sanitary Inspector	...	...	...	...	221
(2) Reported to Council—Statutory Notice issued	...	...	...	...	19

Statutory Notice not issued ... —

**DETAILS OF NUISANCES ABATED.**

				After Informal Action.	After Statutory Notice.
Overcrowding	...	...	...	22	—
Smoke	...	...	...	3	—
Accumulation of Refuse	...	...	...	32	—
Foul Ditches, Ponds, and Stagnant Water	...	...	...	39	—
Foul Pigs and other Animals	...	...	...	36	—
Dampness	...	...	...	48	—
Yards repaved and repaired	...	...	...	36	12
Other nuisances	...	...	...	5	7

**SECTION "E."**

**INSPECTION AND SUPERVISION OF FOOD.**

**(a) MILK SUPPLY.**

**Cowstables.**

Number on Register	...	...	...	...	...	...	88
Number of Inspections	...	...	...	...	...	...	840
Contraventions of Regulations	...	...	...	...	...	...	33
Contraventions remedied	...	...	...	...	...	...	33
Number of Milch Cows in district	...	...	...	...	...	Approx.	1,250
Veterinary Inspection by County Council	...	...	...	...	...	Quarterly.	

**MILK (SPECIAL DESIGNATIONS) ORDER, 1936.**

Number of Accredited Premises	...	...	...	...	...	27
Number of Accredited Producers	...	...	...	...	...	26
Number of T.T. Premises	...	...	...	...	...	2
Number of T.T. Producers	...	...	...	...	...	1
Any instance of Disease attributed to milk during the year	...	...	...	...	...	No

59 samples of Accredited Milks were taken by the County Council and submitted for examination during the year. Out of these, 7 failed to pass the prescribed tests. Special visits were made in these cases and appropriate corrective measures taken where indicated. 13 samples Pasteurised milk were taken and submitted to the prescribed tests. All proved satisfactory.

The sale of Food and Drugs Act, and Milk and Cream Regulations are administered by the County Council.

**(b) MEAT AND OTHER FOODS.**

Slaughterhouses—Licences expired April, 1940.

**Bakehouses.**

Number in District	...	...	...	...	...	...	5
Number of underground bakehouses	...	...	...	...	...	...	Nil
Number of inspections	...	...	...	...	...	...	187
Contraventions of Factory Acts	...	...	...	...	...	...	12
Defects remedied	...	...	...	...	...	...	12

All bakehouses are lime-washed, etc., twice a year.

These are, generally speaking, very satisfactory.

**Articles of Food condemned as unfit for Human consumption.**

180 lbs. Raisins.—Fermentation.

154 lbs. Dabs.—Decomposition.

**SECTION "F."**

**DISINFECTION AND DISINFESTATION.**

Rooms disinfected	...	...	...	...	...	...	19
(a) Ordinary Infectious Disease	...	...	...	...	...	...	14
(b) Tuberculosis	...	...	...	...	...	...	5
Rooms stripped and cleansed	...	...	...	...	...	...	6
Articles disinfected or destroyed	...	...	...	...	...	(lots)	27
(a) Ordinary Infectious Disease	...	...	...	...	...	...	22
(b) Tuberculosis	...	...	...	...	...	...	5

**Table showing the number of Infectious Diseases notified in each Parish**

PARISH.		Scarlet Fever.	Diphtheria.	Erysipelas.	Pneumonia.	Chicken Pox.	Whooping Cough.	Measles.	C.S.M.	Oph. Neon.	Dysentery.	Ant. Poliomyelitis.	German Measles.	TOTALS.
Aylesby	...	—	1	—	—	—	—	—	—	—	—	—	—	1
Bradley	...	—	—	—	—	—	1	—	—	—	—	—	—	1
Great Coates	...	1	—	—	—	2	1	—	—	1	—	—	—	5
Habrough	...	—	—	—	—	1	—	—	—	—	—	—	—	1
Healing	...	—	1	—	—	—	1	1	—	—	—	—	—	3
Humberston	...	—	—	—	—	3	—	—	2	—	—	—	—	5
Immingham	...	2	1	—	—	1	1	—	—	—	—	—	—	5
Irby	...	—	—	—	—	1	—	1	—	—	—	1	—	1
Laceby	...	—	—	—	—	2	—	—	1	—	—	—	—	2
Stallingborough	...	—	—	1	—	1	1	—	—	—	—	1	—	4
Waltham	...	2	—	—	—	1	—	—	—	—	1	—	—	5
<b>Totals</b>	...	5	3	1	2	10	4	1	3	1	1	1	1	33

## NOTIFIABLE DISEASES DURING YEAR 1946 ACCORDING TO AGES.

10

DISEASE.	Under 1 year.		1-2 years.		5-10 "		10-15 "		15-20 "		20-25 "		25-45 "		45-65 "		Over 65 years.		Totals		
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	—	—	1	3	1	1	—	—	—	—	—	—	—	—	—	—	—	5	3
Diphtheria	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Erysipelas	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
Pneumonia	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	4
Chicken Pox	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Whooping Cough	...	...	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Measles,	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
C.S.M. ...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ophth. Neon.	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Poliomyelitis	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
German Measles	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	...	...	3	2	1	1	1	3	13	2	—	—	1	4	1	2	1	2	33	2	33

### DIPHTHERIA IMMUNISATION.

Immunisation of the child population was continued throughout the year. The Prophylactic used was Alum Precipitated Toxoid (A.P.T.) with 4 weeks interval between doses.

The co-operation of parents, teachers and general medical practitioners was sought and special immunisation sessions were held at schools and welfare centres.

During the year a total of 264 children completed a primary course of injections. In age groups the numbers are as follows :—

Under 5 years	...	...	225
5 to 15 years	...	...	39

In addition 112 school children previously immunised received a single re-inforcing injection.

**Total number of persons in age groups, known to have received a complete course of injections.**

Age.	1940	1941	1942	1943	1944	1945	1946
Under 1 year	—	7	18	12	5	19	22
1 year	—	28	62	84	99	117	151
2 years	—	23	52	35	22	15	41
3 „	—	39	46	31	15	4	8
4 „	—	63	65	44	10	7	3
5 „	—	87	72	38	12	6	17
6 „	—	93	36	24	14	11	6
7 „	—	71	26	23	7	10	2
8 „	—	78	27	21	4	3	6
9 „	—	1	63	28	35	2	1
10 „	10	70	26	35	5	7	6
11 „	30	77	13	65	3	1	1
12 „	42	46	10	55	9	2	—
13 „	20	23	12	71	1	—	—
14 „	2	7	—	20	1	—	—
15 years and over	—	4	4	17	2	—	—
<b>Totals—1940-1946</b>	<b>105</b>	<b>779</b>	<b>497</b>	<b>610</b>	<b>211</b>	<b>203</b>	<b>264</b>

## ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH FOR 1946.

PORT OF IMMINGHAM. 1946. ALSO KILLINGHOLME JETTY AND WHITE BOOTH ROADS. (River Humber).  
1—AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR 1946.

TABLE A.

FOREIGN		Number	Tonnage.	Number Inspected by Medical Officer.	Number Inspected by Sanitary Inspector.	Number reported to be Defective.	Number of Vessels on which defects were found and reported to Ministry of Transport Surveyors	Number of Vessels reported as having had during the voyage Infectious Disease on board.
Foreign	{ Steamers Motor Sailing Fishing	617 84 1 Nil	968,058 143,173 227 Nil	79 19 Nil Nil	617 84 1 Nil	76 5 Nil Nil	2 Nil Nil Nil	4 Nil Nil Nil
Total Foreign		702	968,458	98	702	81	81	2
Coastwise	{ Steamers Motor Sailing Fishing Small Craft, Barges, Tugs, etc.	354 56 2 4 605	378,926 35,245 342 547 18,150	46 12 2 2 Nil	354 56 2 4 91	29 10 Nil 1 Nil	Nil Nil Nil 1 Nil	2 1 Nil Nil Nil
Total Coastwise		1021	433,210	62	507	40	40	3
Total Foreign and Coastwise		1,723	1,401,668	160	1,209	121	121	7

## 11.—CHARACTER OF TRADE OF PORT.

TABLE B.

## (a) Passenger Traffic during the Year.

No. of Passengers.	1st Class.	2nd Class.	3rd Class.	Transmigrants.
Inwards ...	... 148	Nil	Nil	31
Outwards ...	... 170	Nil	Nil	9

## (b) Cargo Traffic.

Principal Imports ... Iron Ore, Timber, Pit Props, Grain. Total tonnage imported ... 446,384 tons.  
 " Exports ... Coal and Coke—742,741 tons. General—107,931 tons.

## (c) Foreign Ports from which Vessels arrive.

Norway, Sweden, Baltic Ports, Denmark, Germany, Holland, Belgium, France, Spain, Portugal, Italy, North African Ports, West African Ports, Canada, U.S.A., and Iceland, etc.

**MEDICAL INSPECTION OF ALIENS.**  
 Annual return by the Medical Inspector of Aliens for the year ended 31st December, 1946.

	Total	Number Inspected by the Medical Inspector	Number Subjected to detailed Examination by the Medical Inspector	Lunatic Idiot or M.D.	Undesirable for Medical reasons.	Physically Incapacitated.	Suffering from acute Infectious Disease.	Certificate Issued.	Landing necessary for adequate medical examination.	Transmigrants.
(a) Total number of Aliens landing at the Port ...	85	85	12					Nil	Nil	Nil
(b) Aliens refused permission to land by Immigration Officer, including stowaways	20 40	9 31	9 16		Nil Nil	Nil 2 Nil		Nil Nil	Nil Nil	Nil
(c) Transmigrants								2	Nil	40
Total Aliens arriving at the Port	145	125	37					Nil	Nil	40

**MEDICAL INSPECTIONS OF ALIENS—(Continued).**

Total number of vessels carrying alien passengers	...	...	111
Number of vessels dealt with by the Medical Inspector	...	...	91

**III.—WATER SUPPLY.**

1—Source of supply—

(a) the Port : Two deep Bores. (b) shipping : Piped to all Quays.

2—Hydrants and Hosepipes,—What precautions are taken against contamination—  
Regular inspection, flushing and washing before use.

3—Number of Water Boats and their Sanitary condition—

Two Tugs with special water tanks, these tanks are cleansed and limewashed every six months.

**IV. PORT HEALTH REGULATIONS, 1933 and 1945.**

1—Arrangements for dealing with Declarations of Health—

Collected by Customs Officer or Port Health Officer, whoever boards vessel first.

2—Boarding of vessels on arrival.

Inward vessels at Jetties or Locks, in River by Tug from Jetties.

3—Notification to the Authority of inward vessels requiring special attention (wireless messages, land signal stations, information from Pilots, Customs Officers, etc.).—  
By radio direct to Humber Radio Station thence telephone to Port Health Office, by Customs Boarding Officer by telephone.

4—Moorings Stations designated under Article 10—

(a) within the Docks, Timber Pond arm, 300 ft. Quay, or No. 3 Quay extension.  
(b) Eastern or Western Jetties according to tide.

5—Particulars of any standing exemptions from the provisions of Article 14.

None.

6—Experience of working of Article 16—  
Satisfactory, complete Crew Lists, with addresses obtained.

## PORT HEALTH REGULATIONS—(Continued).

7—What, if any, arrangements have been made for—

- (a) Premises and waiting rooms for medical examination  
None. Suitable premises have been applied for from Dock Company.
- (b) Cleansing and disinfection of ships, persons and clothing and other articles—  
Infected rooms, berths, etc., on board, treated with Formaldehyde, spraying or fumigation, H.C.N., or S.O.2, used if necessary. Delousing, etc., of infected persons carried out at Scartho Institution. Infected bedding, clothing and other articles treated at Disinfecter on Dock estate, either by steam or Formaldehyde.
- (c) Premises for the temporary accommodation of persons for whom such accommodation is required for the purposes of the Regulations—  
None available yet.
- (d) Hospital accommodation available for Plague, Cholera, Yellow Fever, Small Pox and other infectious diseases—  
Isolation Hospital, Immingham.
- (e) Ambulance transport—  
Horse drawn Ambulance available.
- (f) Supervision of contacts, surveillance, locally or notification to appropriate Health Authority.

8—Arrangements for bacteriological or pathological examination of rats for plague.  
Specimens sent to Grimsby and District Hospital.

9—Arrangements for other bacteriological or pathological examinations—  
Medical Officer's Dept., Cleethorpes.

10—Information as to the location, days and hours of the available facilities for the diagnosis and treatment of venereal disease among merchant seamen under international arrangements, including in-patients treatment.  
Special V.D. leaflets left on board on vessels arrival. Treatment by arrangement with C.B. of Grimsby.

11—Arrangements for the interment of dead—  
In conjunction with Grimsby Borough Cemetery Dept.

12—Other matters if any requiring or receiving attention  
None.

TABLE C.  
Cases of Infectious Sickness landed from Vessels.  
No. of Cases during the year.

Disease.	Passengers.	Crew.	No. of Vessels concerned.	Average No. of cases for previous 5 years.
Scabies	...	...	7	3

TABLE D.  
Cases of Infectious Sickness occurring on Vessels during the voyage but disposed of prior to arrival.  
No. of Cases during the year.

Disease.	Passengers.	Crew.	No. of Vessels concerned.	Average No. of cases for previous 5 years.
None	Nil	Nil	Nil	0.2

In any case of Plague, Cholera, etc., occurring, vessel concerned directed to designated mooring station, for Medical examination of crew and passengers, and necessary disinfection of persons, bedding, clothing, etc. If plague-infected rats discovered, vessel would be boomed off, and thorough fumigation of all compartments, including holds with H.C.N. During discharge of any cargo special watch would be kept throughout discharge in holds for further rats.

## V. MEASURES AGAINST RODENTS.

1—Steps taken for detection of rodent plague—

- (a) In ships in the Port, routine inspection of all compartments, including holds, bunkers, etc., during vessels stay in port, laboratory examination of any rats caught or found dead.
- (b) On quays, wharves, warehouses, and in the vicinity of the port. Regular inspection of all quays, wharves, warehouses, prompt disposal of all refuse, examination of any dead rats reported or found, special investigation where excessive mortality among rats is reported or found.

2—Measures taken to prevent the passage of rats between ships and the shore. Standard ratguards on all moorings, gangways well lighted during hours of darkness, and hauled well above quay level, instructions to officer in charge of ship.

3—Method of deratization of (a)—Ships. Fumigation with H.C.N. liquid or crystal form, and S.O.2 ; (b)—Premises in the <sup>18</sup> vicinity of docks or quays. Fumigation if practicable, trapping and cats.

4—Measures taken for the detection of rat prevalence in ships and on shore ; Regular inspection by Port Health Officer, observation of rat runs, damage to goods, etc.

5—Rat-proofing

- (a) To what extent are docks, wharves, warehouses, etc., rat-proof. Dock sheds are single storey, with concrete flooring and all metal fittings, very little rat harbourage exists. Necessary rat-proofing carried out where found necessary.
- (b) Action taken to extend rat-proofing (1) in ships, instructions to Masters, re-wiring of staterooms, etc. (2) on shore, collaboration with Dock Authorities. Advice given where necessary.

TABLE E.  
Rats destroyed during the year.

TABLE F.

TABLE G.  
Measures of rat destruction on Plague 'Infected' or 'Suspected' Vessels or Vessels from Plague infected Ports arriving in the Port during the year.

Total number of such vessels arriving.	Number of such vessels fumigated by S.O.1.	Number of Rats killed.	Number of such vessels fumigated by H.C.N.	Number of rats killed.	Number of such vessels on which trapping, poisoning, etc., were employed.	Number of rats killed.	Number of such vessels on which measures of rat destruction were not carried out.
1	2	3	4	5	6	7	8
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

TABLE H.  
Deratization Certificates and Deratization Exemption Certificates issued during the year.  
Number of Deratization Certificates issued.

Net Tonnage.	No. of Ships.	After Fumigation with			After Trapping, Poisoning, etc.	Total	Deratization Certificates Issued.	Total Certificates Issued.
		H.C.N.	Sulphur.	H.C.N. and Sulphur				
1	2	3	4	5	6	7	8	9
Ships up to 300 tons	4	Nil	Nil	Nil	Nil	Nil	4	4
" from 301 to 1,000 tons	14	2	Nil	Nil	Nil	2	12	14
" from 1,001 to 3,000 tons	26	2	Nil	Nil	Nil	2	24	26
" from 3,001 to 10,000 tons	17	6	Nil	Nil	Nil	6	11	17
" over 10,000 tons	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Totals	...	61	10	Nil	Nil	10	51	61

VI. Hygiene of Crews' Spaces.

TABLE J.

Classification of Nuisances.

Nationality of Vessel.	Number inspected during the year.	Defects of original construction.	Structural defects through wear and tear.	Dirt, vermin and other conditions prejudicial to health.
British	396	5	35	92
Other Nations	722	2	28	48

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VII. Food Inspection.

- 1—Action taken under the Public Health (Imported Food) Regulations, 1937, the Public Health (Imported Milk) Regulations, 1926, and the Public Health (Preservatives, etc., in Food) Regulations, 1925 to 1940. *None.*
- 2—Shell-fish. Information respecting any shell-fish beds or laying within the jurisdiction of the P.S.A., stating whether they are in the opinion of the Medical Officer liable to pollution. Report of any action taken under the Public Health (Shell fish) Regulations, 1934, or the Food and Drugs Act, 1938. *None.*
- 3—Number of Samples of Food examined by—  
 (a) Bacteriologist. Nature of Sample. Result of Examination. *None.*  
 (b) Analyst. " " " " *None.*

C. F. LYNCH,

*Medical Officer of Health.*

## NOTES.

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